**The Learning Carpet: Teaching Math Concepts Through Kinesthetic Activities**

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**-Orienting students to the carpet-** By first internalizing math concepts visually and physically, students are empowered to later build upon their deep foundational understanding in order to solve abstract problems proficiently.

**-Filling the Carpet**- Engage all students and differentiate.

**-Discussing Patterns**- Look for opportunities for formative assessment and differentiation. Work in precise academic vocabulary. **Math is a language used to describe the real world.**

**-** **Walking on the Carpet-** Orienting the body and writing mathematically is key. **Math is logical, not magical.**

**-** **Number Pick and Number Sense**- There is power in doing and power in undoing. Use the opportunity to review and differentiate. Build in ordering and rounding numbers.

**-Identifying Numbers on a Blank Grid** - Ask students to explain their reasoning. Ask how different strategies are related to build in algebra.

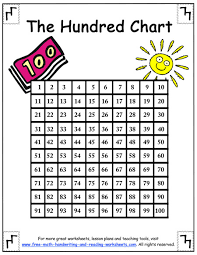
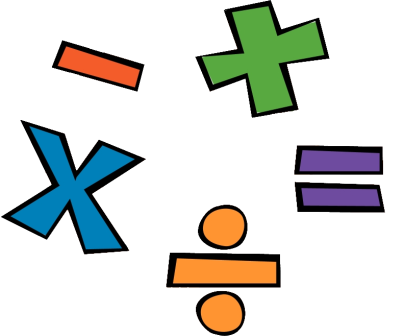
**-Adding and Subtracting**- Model writing different strategies mathematically. Compare strategies to build in algebra. There is no need for regrouping, carrying or barrowing!

**Multiplying and Dividing**- Skip count, mathematically describe arrays , compare equations to build in algebra, multiply decimals, and model operations with fractions .

**-Geometry-** Play with area and perimeter. Do shapes with the same area always have the same perimeter?

**-Data Analysis**- Organize a set of data by building a variety of graphs.

**-Buying or Creating Your Own Learning Carpet and materials**

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